

CLAIMS

I claim:

1. A concrete finishing tool kit comprising:

an elongated concrete float adapted to engage and smooth a wet concrete surface;

5 a concrete float adjusting device adapted to be connected to the concrete float for selectively tilting the concrete float;

an elongated handle structure adapted to be removably attached to the concrete float adjusting device for pushing and pulling and causing tilting of the concrete float; and

10 a storage case containing the concrete float adjusting device connected to the float, and the handle structure in a spaced apart, stacked arrangement, the case having a cover selectively engaged with and disengaged from a base, the cover having first retention structure for receiving the float adjusting device and the float connected thereto, and at least preventing movement of the float adjusting device and the float in a direction parallel to a longitudinal axis of the float, the base having second
15 retention structure for receiving and retaining the handle structure and preventing movement of the handle structure in a direction parallel to and transverse to a longitudinal axis of the handle structure, either of the cover or the base having third retention structure for receiving the float connected to the float adjusting device and preventing movement of the float and the float adjusting device in a direction
20 transverse to the longitudinal axis of the float.

2. The kit of claim 1, wherein the cover has a lower surface provided with a downwardly facing groove arrangement for receiving upper portions of the float, and an upper surface formed with a cut-out for receiving lower portions of the float adjusting device such that upper portions of the float adjusting device are exposed
5 above the upper surface of the cover, the base having an upwardly facing channel

arrangement for frictionally receiving the handle structure beneath the float, and a pocket arrangement for receiving front and rear portions of the float.

3. The kit of claim 2, wherein the groove arrangement extends substantially completely across the lower surface of the cover except over an area interrupted by the cut-out for enabling end portions of the float to extend beyond the storage case.

4. The kit of claim 2, wherein the channel arrangement and the pocket arrangement extend completely across the base for enabling end portions of the handle structure frictionally received therein and the float to extend beyond the storage case.

5. The kit of claim 4, wherein the channel arrangement is formed by a series of spaced apart, upstanding barriers, each adjacent pair of barriers being connected by wall structure defining a U-shaped channel therebetween.

6. The kit of claim 5, wherein the barriers provide support surfaces for the float.

7. The kit of claim 6, wherein each wall structure includes a resilient, deflectable tab arrangement engageable with the handle structure for frictionally retaining the handle structure in the U-shaped channel.

8. The kit of claim 5, wherein certain of the barriers are formed with adjoining necks and shoulders engageable with the float.

9. The kit of claim 1, wherein a rear portion of the cover is hingedly mounted to a rear portion of the base.

10. The kit of claim 1, wherein the cover and the base are removably connected together at respective front portions thereof.

11. The kit of claim 1, wherein the front portions of the cover and the base include respective cooperable storage case handles.

12. The kit of claim 2, wherein the groove arrangement includes four grooves extending parallel to each other.

13. The kit of claim 2, wherein the channel arrangement includes four channels extending parallel to each other.

14. The kit of claim 5, wherein the pocket arrangement includes a pair of oppositely facing pockets formed in certain of the barriers.

15. The kit of claim 1, wherein the handle structure includes a series of handle extensions adapted to be collectively attached to each other and to the float adjusting device.

16. A method for retaining and storing a disassembled concrete finishing tool having a concrete float provided with front, rear and intermediate ribs attached to a concrete float adjusting device, and a series of handle extensions adapted to be connected together and to the concrete float adjusting device, the method comprising

5 the steps of:

providing a storage case having a cover movably connected to a base between an open position and a closed, locked position, the cover having a lower surface provided with spaced apart, parallel, downwardly facing front, rear and a pair of intermediate grooves for receiving the ribs of the float, and an upper surface having
10 internal walls forming a cut-out for receiving the float adjusting device connected to

the float, the walls forming the cut-out being engageable with peripheral walls of the float adjusting device, the base being provided with a plurality of barriers, adjacent pairs of barriers being connected by wall structure, each having a resilient deflectable, retaining tab arrangement extending therefrom, and the barriers forming a number of spaced apart, parallel, upwardly facing channels for receiving the handle extensions, two of the barriers being formed with adjoining necks and shoulders defining pockets therein;

with the cover in the open position, inserting each of the handle extensions into one of the channels such that the handle extension frictionally engages the respective tab arrangement, and is centrally positioned along a length of the handle extension relative to the base;

placing the float upon at least two of the barriers and between the pockets such that the float is centrally positioned along a length thereof relative to the base; and

moving the cover to the closed, locked position upon the base such that a portion of the concrete float adjusting device passes through the cut-out formed in the cover, and certain of the ribs are received either in the grooves or the pockets.

17. A concrete finishing tool storage case adapted to retain and transport a partially disassembled concrete finishing tool, the case comprising:

a cover moveable into engagement with a base to define a closed position, and moveable away from the base to define an open position, the cover having a lower surface provided with a series of spaced apart, downwardly facing grooves extending parallel to each other and adapted to receive a concrete float connected to a concrete float adjusting device, and an upper surface formed with a cut-out extending inwardly from a front portion of the cover and adapted to receive the concrete float adjusting device connected to the concrete float, the base having a number of spaced apart barriers, adjacent pairs of barriers defining a set of upwardly facing channels extending parallel to each other and adapted to frictionally receive a plurality of

handle extensions collectively attached to the float adjusting device, certain of the barriers being formed with pockets adapted to receive and support the concrete float.

18. The storage case of claim 17, wherein the grooves extend completely across the lower surface of the cover except for an area interrupted by the cut-out, the grooves being adapted to receive the float having end portions projecting beyond side portions of the case.

19. The storage case of claim 17, wherein the channels and the pockets extend completely across the base, the channels being adapted to receive the handle extensions having end portions projecting beyond the side portions of the case, and the pockets being adapted to receive the float having end portions projecting beyond
5 the side portions of the case.

20. The storage case of claim 17, wherein each of the barriers are provided with at least one resilient, deflectable tab adapted to be engaged by one of the handle extensions.

21. The storage case of claim 17, wherein the grooves and the pockets permit the storage of differently sized floats.